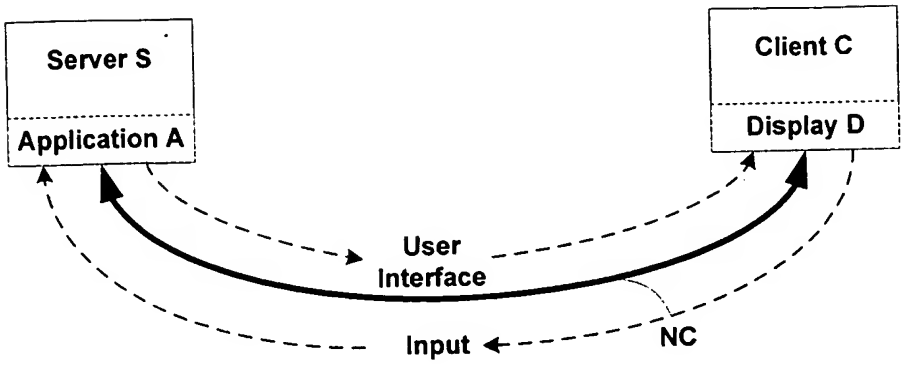

FIG. 1A - Prior Art

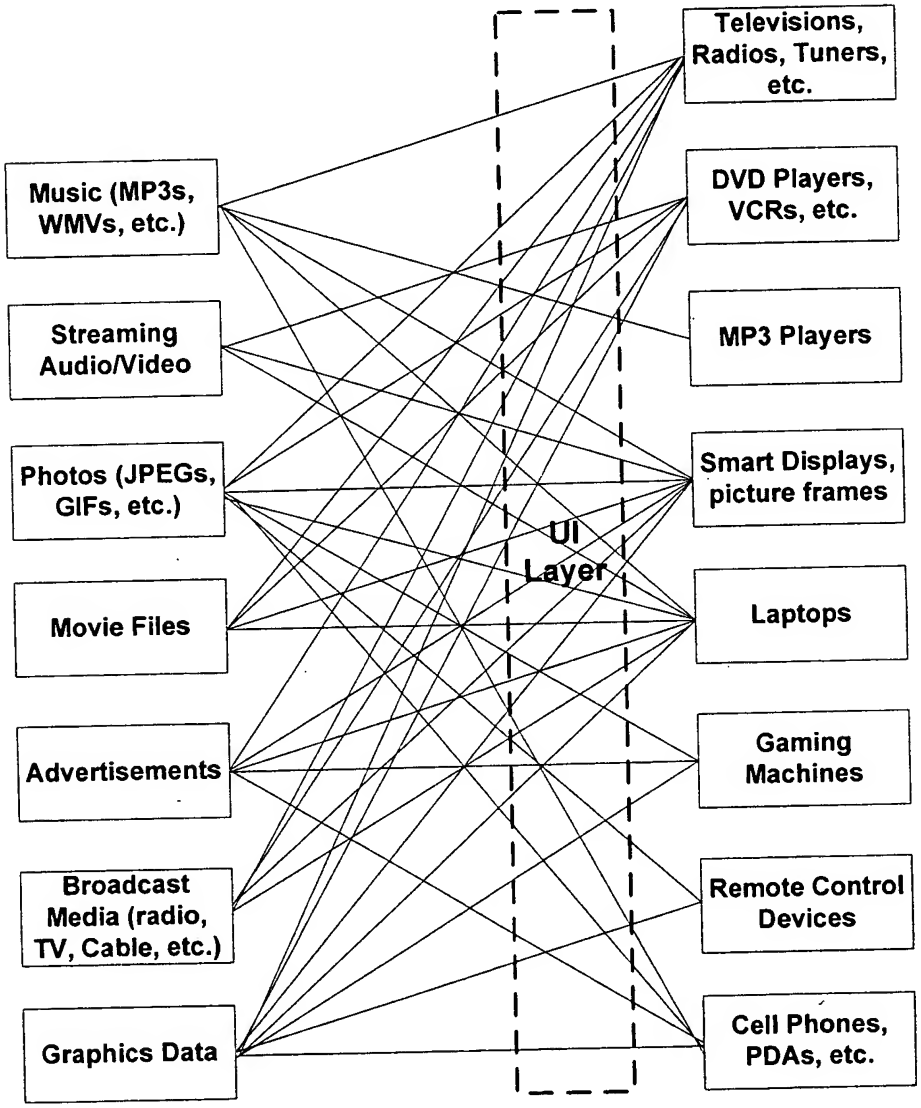

FIG. 1C

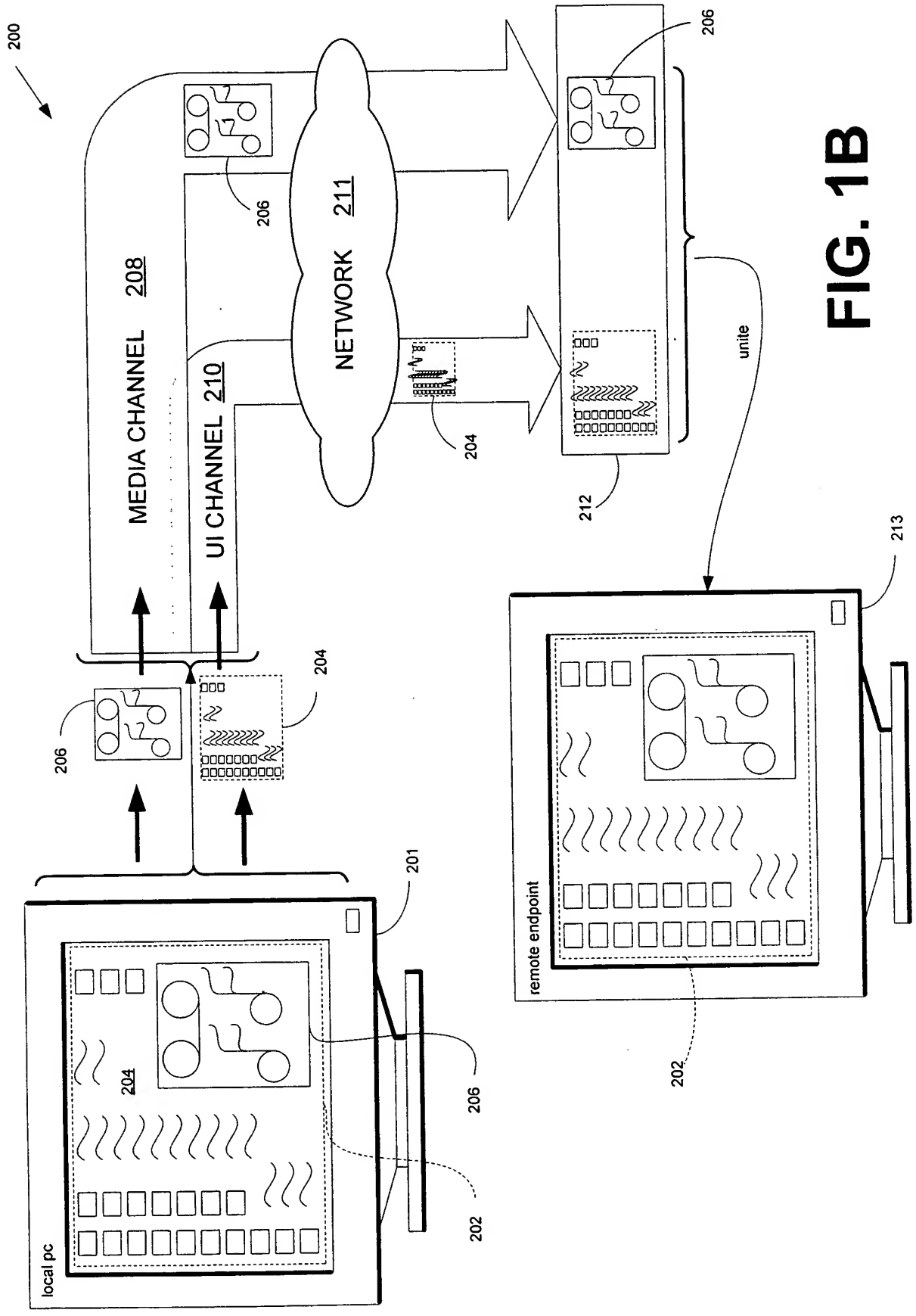
200
206
NETWORK 211
MEDIA CHANNEL 208
UI CHANNEL 210
204
212
unite
213
remote endpoint
202
201
local pc

FIG. 1B

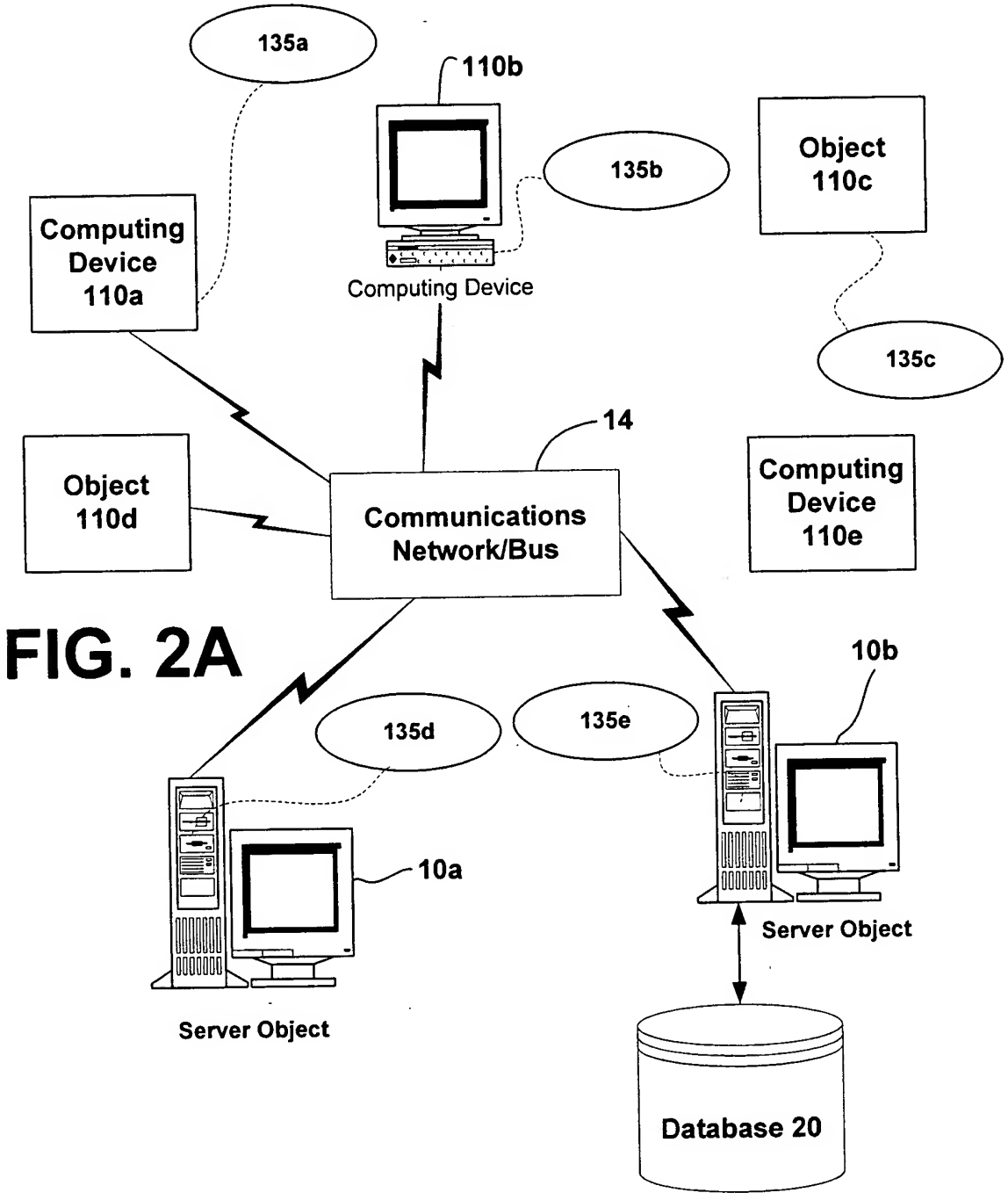
135a
110b
135b
Object
110c
Computing
Device
110a
Computing Device
135c
14
Object
110d
Communications
Network/Bus
Computing
Device
110e
10b
135d
135e
10a
Server Object
Server Object
Database 20

FIG. 2A

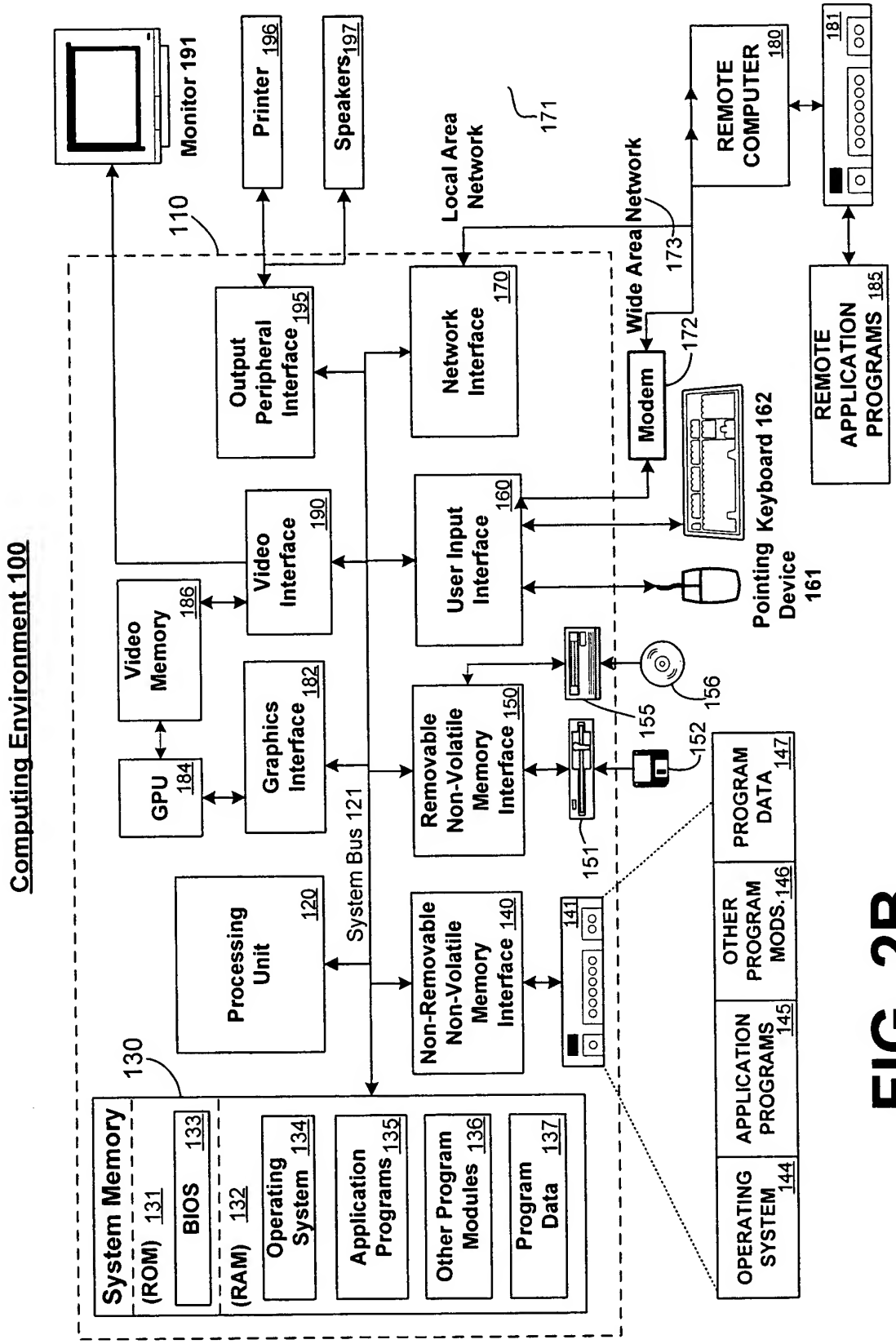
Computing Environment 100
Monitor 191
Printer 196
Speakers 197
110
Local Area Network
171
REMOTE COMPUTER 180
181
Wide Area Network
173
Output Peripheral Interface 195
Network Interface 170
Modem
172
REMOTE APPLICATION PROGRAMS 185
Video Memory 186
Video Interface 190
User Input Interface 160
Keyboard 162
Pointing Device 161
GPU 184
Graphics Interface 182
Removable Non-Volatile Memory Interface 150
155
156
152
151
System Bus 121
Processing Unit 120
Non-Removable Non-Volatile Memory Interface 140
141
PROGRAM DATA 147
OTHER PROGRAM MODS. 146
APPLICATION PROGRAMS 145
OPERATING SYSTEM 144
130
System Memory
(ROM) 131
BIOS 133
(RAM) 132
Operating System 134
Application Programs 135
Other Program Modules 136
Program Data 137

FIG. 2B

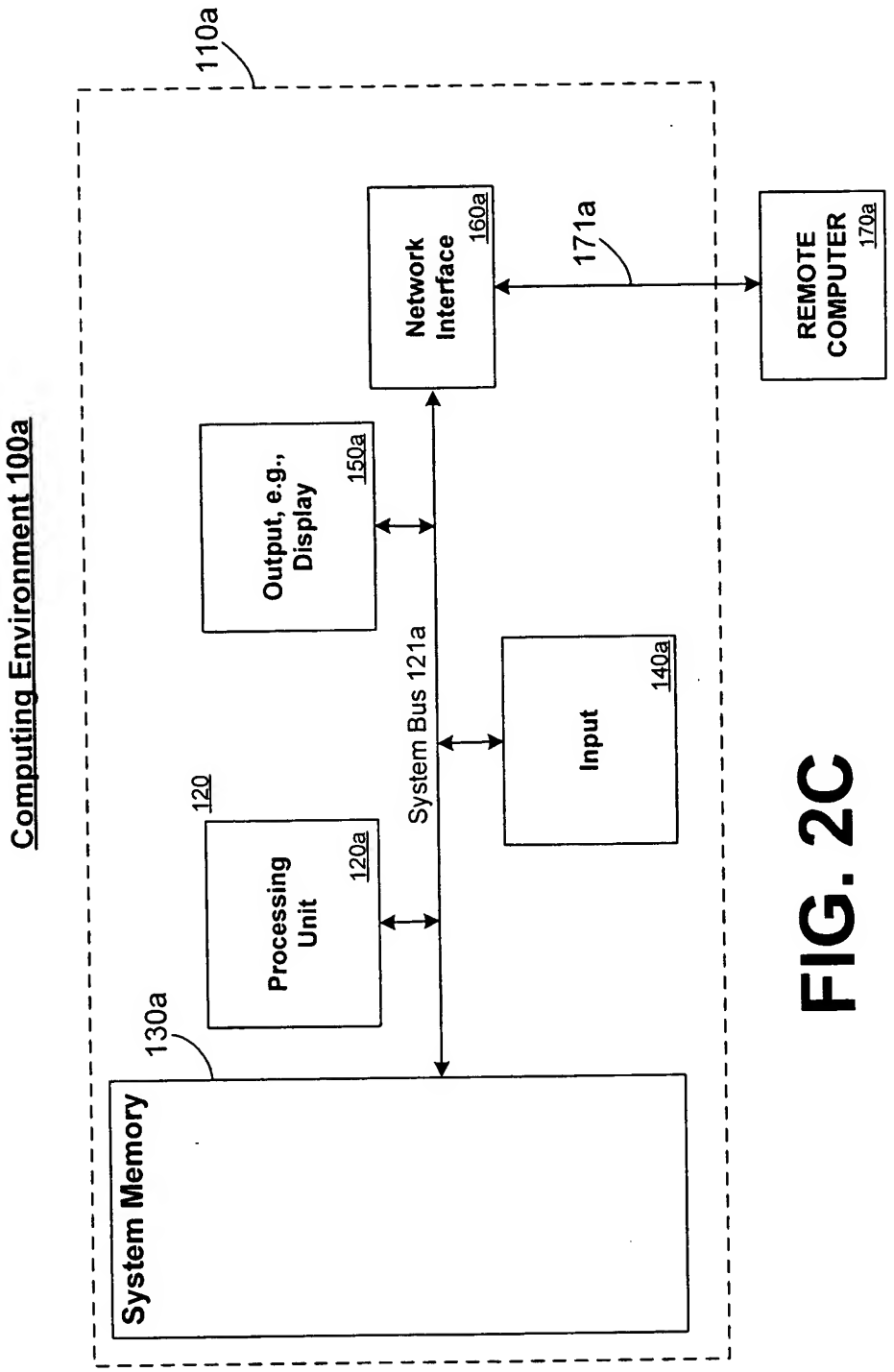
110a
Computing Environment 100a
Network Interface
160a
171a
REMOTE COMPUTER
170a
Output, e.g., Display
150a
System Bus 121a
Input
140a
120
Processing Unit
120a
130a
System Memory

FIG. 2C

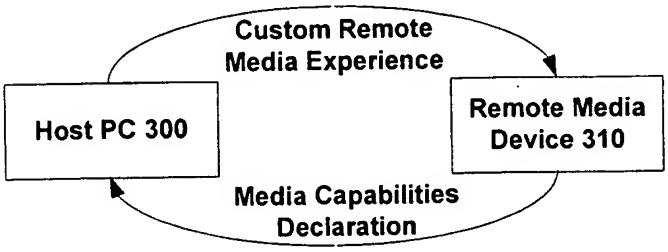
Custom Remote Media Experience
Host PC 300
Remote Media Device 310
Media Capabilities Declaration

FIG. 3A

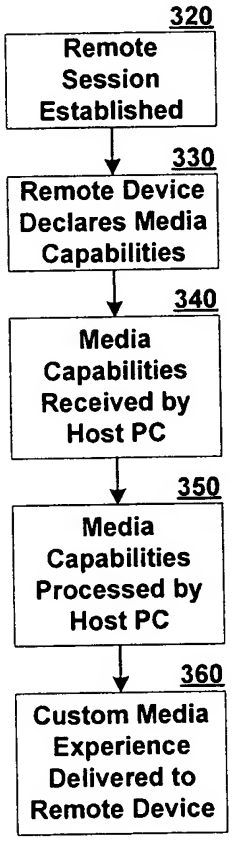
320
Remote Session Established
330
Remote Device Declares Media Capabilities
340
Media Capabilities Received by Host PC
350
Media Capabilities Processed by Host PC
360
Custom Media Experience Delivered to Remote Device

FIG. 3B

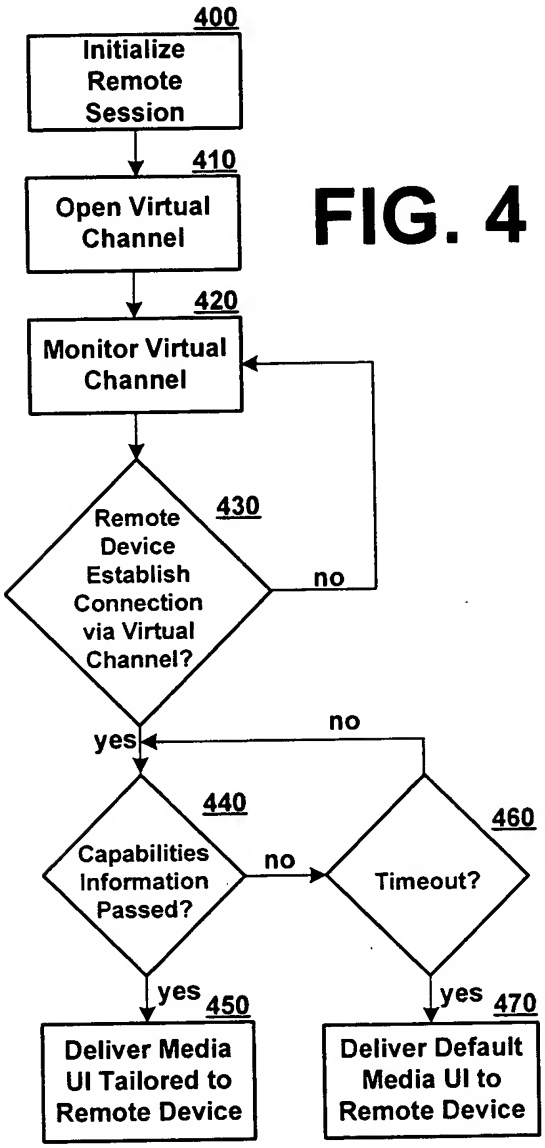
400
Initialize Remote Session
410
Open Virtual Channel
420
Monitor Virtual Channel
430
Remote Device Establish Connection via Virtual Channel?
no
yes
no
440
Capabilities Information Passed?
no
460
Timeout?
yes
450
Deliver Media UI Tailored to Remote Device
yes
470
Deliver Default Media UI to Remote Device

FIG. 4

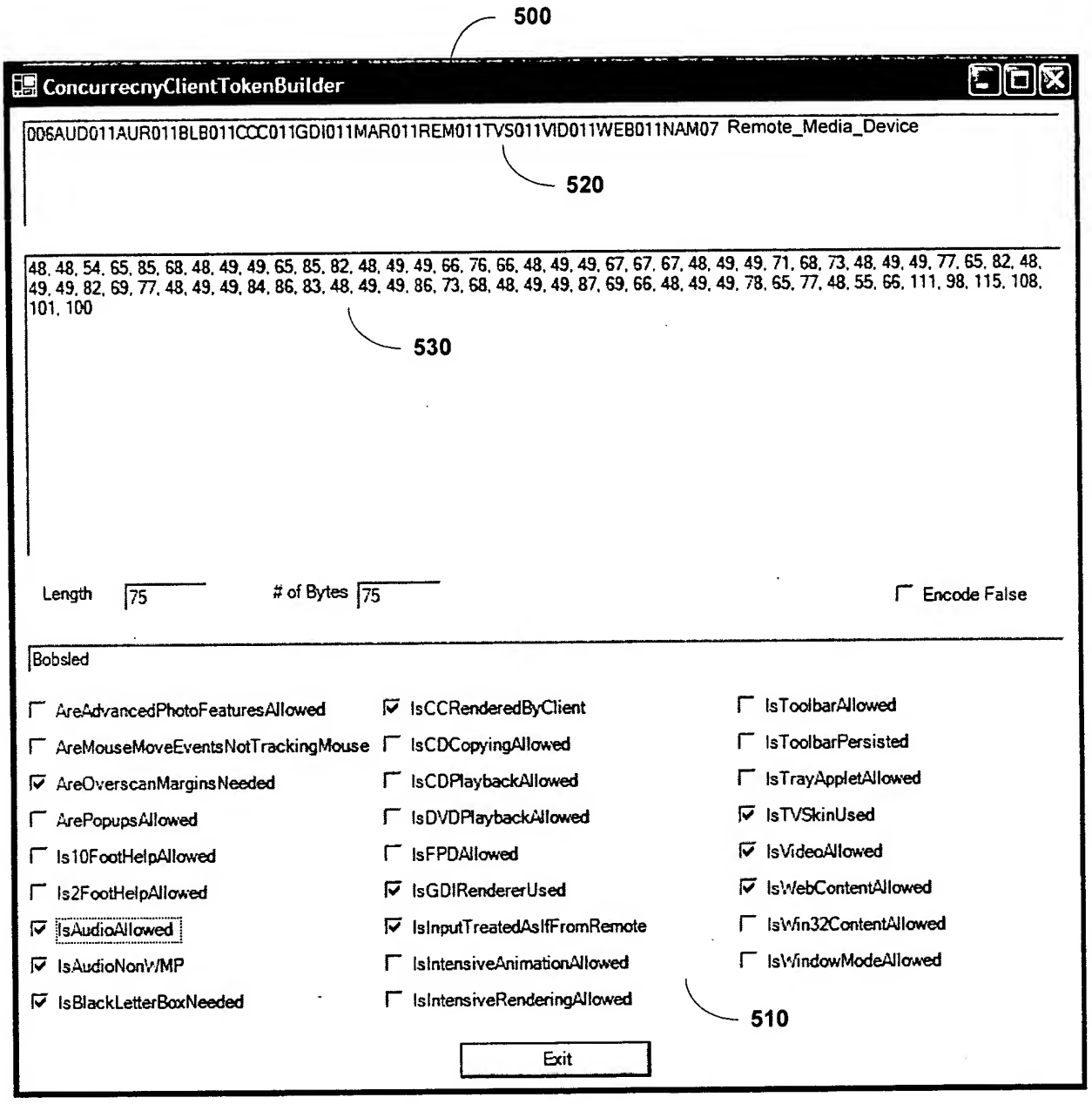
500
ConcurrecnyClientTokenBuilder
006AUD011AUR011BLB011CCC011GDI011MAR011REM011TVS011VID011WEB011NAM07 Remote_Media_Device
520
48, 48, 54, 65, 85, 68, 48, 49, 49, 65, 85, 82, 48, 49, 49, 66, 76, 66, 48, 49, 49, 67, 67, 67, 48, 49, 49, 71, 68, 73, 48, 49, 49, 77, 65, 82, 48, 49, 49, 82, 69, 77, 48, 49, 49, 84, 86, 83, 48, 49, 49, 86, 73, 68, 48, 49, 49, 87, 69, 66, 48, 49, 49, 78, 65, 77, 48, 55, 66, 111, 98, 115, 108, 101, 100
530
Length 75
# of Bytes 75
Encode False
Bobsled
AreAdvancedPhotoFeaturesAllowed
AreMouseMoveEventsNotTrackingMouse
AreOverscanMarginsNeeded
ArePopupsAllowed
Is10FootHelpAllowed
Is2FootHelpAllowed
IsAudioAllowed
IsAudioNonWMP
IsBlackLetterBoxNeeded
IsCCRenderedByClient
IsCDCopyingAllowed
IsCDPlaybackAllowed
IsDVDPlaybackAllowed
IsFPDAllowed
IsGDIRendererUsed
IsInputTreatedAsIfFromRemote
IsIntensiveAnimationAllowed
IsIntensiveRenderingAllowed
IsToolbarAllowed
IsToolbarPersisted
IsTrayAppletAllowed
IsTVSkinUsed
IsVideoAllowed
IsWebContentAllowed
IsWin32ContentAllowed
IsWindowModeAllowed
510
Exit

FIG. 5

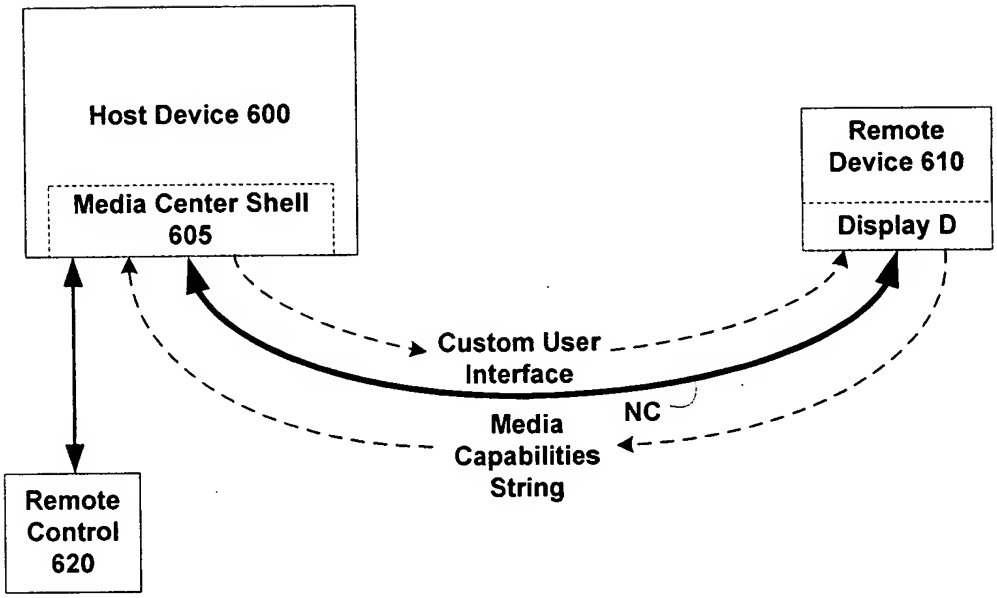
Host Device 600
Media Center Shell 605
Remote Device 610
Display D
Custom User Interface
NC
Media Capabilities String
Remote Control 620

FIG. 6